

## **AMENDMENTS**

### **In the claims:**

1. (Currently Amended) A pesticide composition **for applying to a plant, the composition** comprising:

- (a) a phytotoxicity-inducing synthetic pesticide; **and**
- (b) a pesticide-induced phytotoxicity reducing component comprising:**
  - ~~(b)~~ **(i)** an assimilable carbon-skeleton energy component;
  - ~~(c)~~ **(ii)** a water soluble macronutrient;
  - ~~(d)~~ **(iii)** a water soluble micronutrient; and
  - ~~(e)~~ **(iv)** a vitamin/cofactor component[~~[,]~~];

wherein **components (i), (ii), (iii) and (iv) are present in amounts sufficient to reduce** ~~said composition reduces~~ pesticide-induced phytotoxicity of ~~[[a]]~~ **the** plant.

2. (Canceled)

3. (Previously Presented) The pesticide composition of Claim 1, wherein said pesticide is a small molecule pesticide.

4. (Previously Presented) The pesticide composition of Claim 3, wherein said pesticide is chosen from: sodium aluminofluorides, propiconazoles, mancozebs, maneb, ziram, chlorothalonil, copper hydroxides, myclobutanil, fenbuconazole, captan, carbaryl, cartaps, carbofurans, tebufenozide, dicofol, dinocaps, propanil, oxyfluorfen, chlorinated nitriles, triazoles, aralkyl triazoles, triazole anilides, benzamides, alkyl benzamides, diphenyl ethers, pyridine carboxylic acids, chloroanilines, organophosphates, organosulfurs, carbamates, botanicals, synthetic pyrethroids, antibiotics, farmaneb, dicarboximide, benzimidazoles, phenylamines, imides, strobilurins, phosphonic glycine salt, and mixtures thereof.

5. (Original) The pesticide composition of Claim 1, wherein said pesticide is from about 0.01 % to about 15 % w/w of said composition.

6. (Canceled)

7. (Currently Amended) The pesticide composition of Claim ~~[[6]]~~1, wherein said assimilable carbon-skeleton-energy component is from about 0.1 % to about 20 % w/w of said composition.

8. (Previously Presented) The pesticide composition of Claim 1, wherein said assimilable carbon-skeleton-energy component is chosen from: molasses, whey, corn steep liquor, grape syrup, maple syrup, corn syrup; sucrose, fructose, glucose, lactose, galactose, dextrose, maltose, raffinose, ribose, ribulose, xylulose, xylose, amylose, arabinose; sugar phosphates, e.g. fucose-P, galactose-P, glucose-P, lactose-P, maltose-P, mannose-P, ribose-P, ribulose-P, xylose-P, xylulose-P, adonitol, sorbitol, mannitol, maltitol, ribitol, galactitol, glucitol, gluccuronic acid, alpha ketoglutaric acid, galactonic acid, glucaric acid, gluconic acid, pyruvic acid, polygalacturonic acid, citric acid, succinic acid, malic acid, isocitric acid, folic acid, adenosine, adenosine-P, uridine, uridine-P, thymine, thymine-P, cytosine, cytosine-P, guanine, guanine-P, glycine, alanine, leucine, isoleucine, asparagine, tyrosine, phenylalanine, serine, cysteine, valine, proline, methionine, glutamine, threonine, lysine, aspartic acid, glutamic acid, arginine, and combinations thereof.

9. (Canceled)

10. (Previously Presented) The pesticide composition of Claim 1, wherein said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said composition.

11. (Previously Presented) The pesticide composition of Claim 1, wherein said macronutrient is chosen from N, P, K, Ca, Mg, S, Cl, Na, C, H, O, and combinations thereof.

12. (Canceled)

13. (Previously Presented) The pesticide composition of Claim 1, wherein said micronutrient component is from about 0.00000001 % to about 0.1 % w/w of said composition.

14. (Previously Presented) The pesticide composition of Claim 1, wherein said micronutrient is chosen from Zn, Fe, Mn, Cu, B, Mo, Co, and combinations thereof.

15. (Canceled)

16. (Previously Presented) The pesticide composition of Claim 1, wherein said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said composition.

17. (Previously Presented) The pesticide composition of Claim 1, wherein said vitamin/cofactor component is chosen from yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid, folic acid and combinations thereof.

18. (Original) The pesticide composition of Claim 1, further comprising a complexing agent.

19. (Original) The pesticide composition of Claim 18, wherein said complexing agent is from about 0.01 % to about 30 % w/w of said composition.

20. (Previously Presented) The pesticide composition of Claim 18, wherein said complexing agent is chosen from: citric acid, lignosulfonate, fulvic acid, ulmic acid, polyhydroxy organic acid, ethylenediamin tetraacetic acid (EDTA), ethylenediaminediacetate (EDDA), ethylenediaminedi(o-hydroxyphenylacetic) acid (EDDHA), hydroxyethylethylene-diaminetriacetic acid (HEDTA), cyclohexane diamine tetraacetic acid (CDTA), diethylene triamine pentacetic acid (DTPA), nitrolotriacetic acid (NTA), and combinations thereof.

Claims 21- 29. (Canceled)

30. (Withdrawn) A method comprising applying a pesticide composition according to Claim 1 to a plant.

31. (Withdrawn) The method of Claim 30, wherein said method results in a reduction of the phytotoxicity of said pesticide.

Claims 32-40. (Canceled)

41. (Currently Amended) A pesticide composition for applying to a plant, the

**composition** consisting of:

- (a) a phytotoxicity-inducing synthetic pesticide; **and**
- (b) a pesticide-induced phytotoxicity reducing component comprising:**
  - (b) **(i)** an assimilable carbon-skeleton energy component;
  - (c) **(ii)** a water soluble macronutrient;
  - (d) **(iii)** a water soluble micronutrient;
  - (e) **(iv)** a vitamin/cofactor component; and
  - (f) **(v)** a surfactant[.,,];

wherein **components (i), (ii), (iii), (iv) and (v) are present in amounts sufficient to reduce** ~~said composition reduces~~ pesticide-induced phytotoxicity of [[a]] **the** plant.

42. (Previously Presented) The pesticide composition of Claim 41, wherein said pesticide is a small molecule pesticide.

43. (Previously Presented) The pesticide composition of Claim 42, wherein said pesticide is chosen from: sodium aluminofluorides, propiconazoles, mancozeb, maneb, ziram, chlorothalonil, copper hydroxides, myclobutanil, fenbuconazole, captan, carbaryl, cartaps, carbofurans, tebufenozide, dicofol, dinocaps, propanil, oxyfluorfen, chlorinated nitriles, triazoles, aralkyl triazoles, triazole anilides, benzamides, alkyl benzamides, diphenyl ethers, pyridine carboxylic acids, chloroanilines, organophosphates, organosulfurs, carbamates, botanicals, synthetic pyrethroids, antibiotics, farmaneb, dicarboximide, benzimidazoles, phenylamines, imides, strobilurins, phosphonic glycine salt, and mixtures thereof.

44. (Previously Presented) The pesticide composition of Claim 41, wherein said pesticide is from about 0.01 % to about 15 % w/w of said composition.

45. (Canceled)

46. (Currently Amended) The pesticide composition of Claim ~~[[45]]~~**41**, wherein said assimilable carbon-skeleton-energy component is from about 0.1 % to about 20 % w/w of said composition.

47. (Previously Presented) The pesticide composition of Claim 41, wherein said

assimilable carbon-skeleton-energy component is chosen from: molasses, whey, corn steep liquor, grape syrup, maple syrup, corn syrup; sucrose, fructose, glucose, lactose, galactose, dextrose, maltose, raffinose, ribose, ribulose, xylulose, xylose, amylose, arabinose; sugar phosphates, e.g. fucose-P, galactose-P, glucose-P, lactose-P, maltose-P, mannose-P, ribose-P, ribulose-P, xylose-P, xylulose-P, adonitol, sorbitol, mannitol, maltitol, ribitol, galactitol, glucitol, gluccuronic acid, alpha ketoglutaric acid, galactonic acid, glucaric acid, gluconic acid, pyruvic acid, polygalacturonic acid, citric acid, succinic acid, malic acid, isocitric acid, folic acid, adenosine, adenosine-P, uridine, uridine-P, thymine, thymine-P, cytosine, cytosine-P, guanine, guanine-P, glycine, alanine, leucine, isoleucine, asparagine, tyrosine, phenylalanine, serine, cysteine, valine, proline, methionine, glutamine, threonine, lysine, aspartic acid, glutamic acid, arginine, and combinations thereof.

48. (Previously Presented) The pesticide composition of Claim 41, wherein said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said composition.

49. (Previously Presented) The pesticide composition of Claim 41, wherein said macronutrient is chosen from N, P, K, Ca, Mg, S, Cl, Na, C, H, O, and combinations thereof.

50. (Previously Presented) The pesticide composition of Claim 41, wherein said micronutrient component is from about 0.00000001 % to about 0.1 % w/w of said composition.

51. (Previously Presented) The pesticide composition of Claim 41, wherein said micronutrient is chosen from Zn, Fe, Mn, Cu, B, Mo, Co, and combinations thereof.

52. (Previously Presented) The pesticide composition of Claim 41, wherein said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said composition.

53. (Previously Presented) The pesticide composition of Claim 41, wherein said vitamin/cofactor component is chosen from yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid, folic acid and combinations thereof.

54. (Currently Amended) A pesticide composition for applying to a plant, the

**composition** consisting of:

- (a) a phytotoxicity-inducing synthetic pesticide; **and**
- (b) a pesticide-induced phytotoxicity reducing component comprising:**
  - (b) **(i)** an assimilable carbon-skeleton energy component;
  - (c) **(ii)** a water soluble macronutrient;
  - (d) **(iii)** a water soluble micronutrient;
  - (e) **(iv)** a vitamin/cofactor component,
  - (f) **(v)** a complexing agent; and
  - (g) **(vi)** a surfactant,

wherein **components (i), (ii), (iii), (iv), (v) and (vi) are present in amounts sufficient to reduce** said ~~composition reduces~~ pesticide-induced phytotoxicity of ~~[[a]]~~ **the** plant.

55. (Previously Presented) The pesticide composition of Claim 54, wherein said complexing agent is from about 0.01 % to about 30 % w/w of said composition.

56. (Previously Presented) The pesticide composition of Claim 55, wherein said complexing agent is chosen from: citric acid, lignosulfonate, fulvic acid, ulmic acid, polyhydroxy organic acid, ethylenediamin tetraacetic acid (EDTA), ethylenediaminediacetate (EDDA), ethylenediaminedi(o-hydroxyphenylacetic) acid (EDDHA), hydroxyethylethylene-diaminetriacetic acid (HEDTA), cyclohexane diamine tetraacetic acid (CDTA), diethylene triamine pentacetic acid (DTPA), nitrolotriacetic acid (NTA), and combinations thereof.

Please enter the following new claims:

57. (New) The pesticide composition of Claim 1 wherein:  
the phytotoxicity-inducing synthetic pesticide is selected from sodium aluminofluorides, copper hydroxides, chlorothalonils, and propiconazoles;  
the assimilable carbon-skeleton energy component comprises corn syrup;  
the water soluble macronutrient comprises at least one of N, K, Ca and Mg;  
the water soluble micronutrient comprises at least one of Zn, Fe and Mn;  
the vitamin/cofactor component comprises at least one of yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid and folic acid.

58. (New) The pesticide composition of Claim 1 wherein:  
the phytotoxicity-inducing synthetic pesticide is selected from sodium aluminofluorides, copper hydroxides, chlorothalonils, and propiconazoles; and  
the pesticide induced phytotoxicity reducing component comprises GREEN THUMB 1-0-2.
59. (New) The pesticide composition of Claim 54 wherein:  
the phytotoxicity-inducing synthetic pesticide is selected from sodium aluminofluorides, copper hydroxides, chlorothalonils, and propiconazoles;  
the assimilable carbon-skeleton energy component is selected from corn syrup, an organic acid, and combinations thereof;  
the water soluble macronutrient is selected from N, K, Ca, Mg and combinations thereof;  
the water soluble micronutrient is selected from Zn, Fe, Mn and combinations thereof;  
the vitamin/cofactor component is selected from yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid, folic acid and combinations thereof;  
the complexing agent is selected from citric acid, fulvic acid and combinations thereof;  
and  
the surfactant is an organosilicone surfactant.
60. (New) The pesticide composition of Claim 54 wherein:  
the phytotoxicity-inducing synthetic pesticide is selected from sodium aluminofluorides, copper hydroxides, chlorothalonils, and propiconazoles;  
the pesticide induced phytotoxicity reducing component consists of GREEN THUMB 1-0-2 and an organosilicone surfactant.